ChemScene
Chemical Reagents For Life Science

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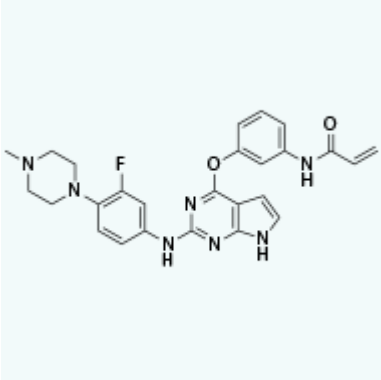
Inhibitors · Screening Libraries · Proteins · Building Blocks · Catalyst & Ligands · ADC & PROTAC

ChemScene (CS) provides a wide range of life-science biochemicals, including more than 50,000 bioactive compounds, dye reagents, peptides and natural compounds for laboratory and scientific use. If you need these products, please do not hesitate to contact us.

CAS No.: 1557267-42-1

Avitinib

Research Area: EGFR/BTK/Cancer



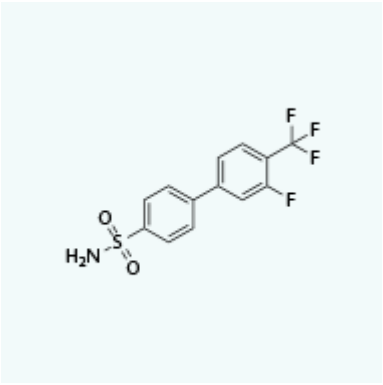
- An irreversible, orally active and selective **EGFR** inhibitor, with IC_{50}s of 0.18 nM, 0.18 nM, and 7.68 nM for **EGFR L858R**, **EGFR T790M**, and **wild-type EGFR**, respectively.
- Shows potent inhibition of non-small cell lung cancer (NSCLC) that harbors EGFR-active and T790M mutations in xenograft mouse models.
- A **BTK** inhibitor that induces **apoptosis** and inhibits phosphorylation of BTK in mantle cell lymphoma.

Solubility: DMSO : 125 mg/mL (256.39 mM; Need ultrasonic)

CAS No.: 1141768-04-8

PVZB1194

Research Area: Kinesin/Eg5/Cancer



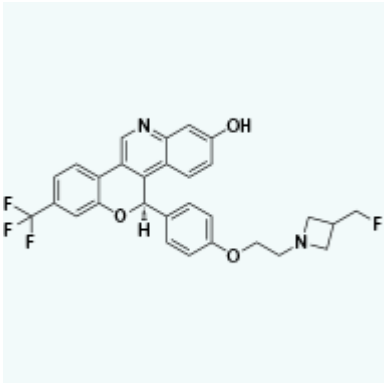
- An ATP-competitive biphenyl-type **Eg5 ATPase** inhibitor that binds to the α4/α6 allosteric pocket.
- Binds to the allosteric pocket and induces the deformation of the ATP-binding pocket through the Tyr104 residue.
- Inhibits HeLa cell proliferation, enhances the stability of microtubules, and exhibits anticancer potential.

Solubility: DMSO : 250 mg/mL (783.04 mM; Need ultrasonic)

CAS No.: 2408840-26-4

Imlunestrant

Research Area: Estrogen Receptor/Breast Cancer



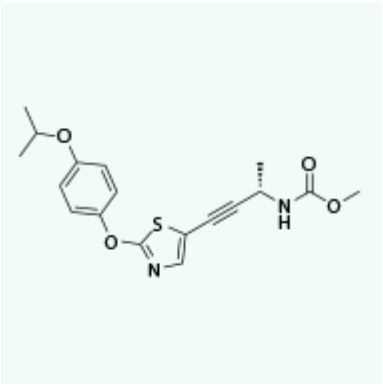
- A selective and orally active wild-type and mutant **estrogen receptor degrader (SERD)** with pure antagonistic properties.
- Potently inhibits **wild-type ERα** and **Y537S/Y537N mutant ERα** proteins.
- Used for the research in breast cancer and endometroid endometrial cancer.

Solubility: DMSO : 250 mg/mL (476.64 mM; Need ultrasonic)

CAS No.: 903886-95-3

A-908292

Research Area: Acetyl-CoA Carboxylase/ACC2/Metabolic Disease



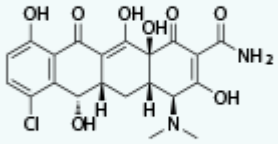
- A selective **acetyl-CoA carboxylase 2 (ACC2)** inhibitor with an IC_{50} value of 38 nM.
- Reduces serum glucose and triglyceride levels in ob/ob mice.
- Used in the research of lipidemia.

Solubility: DMSO : 50 mg/mL (138.72 mM; ultrasonic and warming and heat to 60°C)

CAS No.: 127-33-3

Demeclocycline

Research Area: Antibiotic/Infection



- An orally active tetracycline **antibiotic** against a variety of bacterial infections.
- Impairs protein synthesis by binding to the 30S ribosomal subunit to inhibit binding of aminoacyl tRNA.
- Used for the research in syndrome of inappropriate antidiuretic hormone secretion (SIADH).

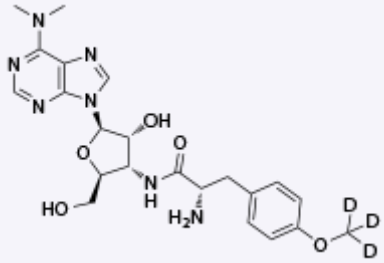
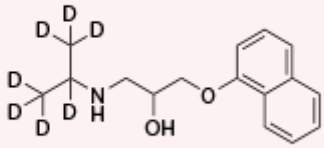
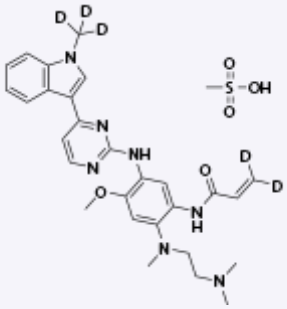
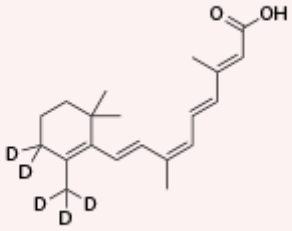
Solubility: DMSO : 25 mg/mL (53.78 mM; Need ultrasonic)

Highly Selective Inhibitors Library

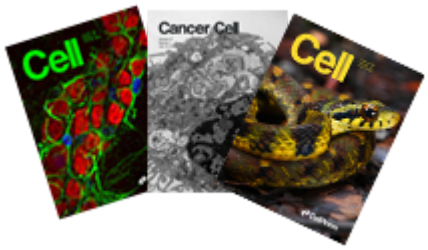
According to reports, most known kinase inhibitors exert their effects through competitive binding in highly conserved ATP pockets. Although genetic techniques such as RNA interference can inactivate specific genes, most kinases are multi domain proteins, each of which has an independent function. Highly selective inhibitors have higher efficiency than non-selective inhibitors, and the selectivity to the target is at least 100 times higher. Therefore, ensuring the validation of targets with the most selective inhibitors is crucial for a more thorough understanding of the pharmacology of the kinase field. The Highly Selective Inhibitors Library contains 4,000+ compounds, covering multiple targets and subtypes, such as GPCR protein family, Ion channel, multiple kinases, etc. The Highly Selective Inhibitors Library is an effective tool for screening different phenotypes.

CS Isotope-labeled Compounds

Cat. No.	Product Name	Structure
CS-0371138	Puromycin-d_3	

		
CS-0202868	Propranolol-d_7	
CS-0635908	Dosimertinib-d_5 mesylate	
CS-0200471	9-cis-Retinoic acid-d_5	

Latest Publications Citing Use of CS Products



Cell.
2023 Jun 22;186(13):2748-2764.e22.

Cell.
2023 Jul 6;186(14):3013-3032.e22.

Cancer Cell.
2023 Jul 10;41(7):1345-1362.e9.

Cancer Cell.
2023 Jul 10;41(7):1242-1260.e6.